

WHAT IS CLAIMED IS:

1 1. An audio system having an audio reproducing device and an  
2 audio recording device, said audio reproducing device reproducing  
3 tracks each serving as an unit of audio information from a recording  
4 medium serving as a source mounted on said audio reproducing device  
5 as tracks to be recorded on a recording medium serving as a target  
6 mounted on said audio recording device, and said audio recording  
7 device recording the tracks reproduced by said audio reproducing  
8 device on said recording medium serving as the target, wherein:

9 said audio recording device comprises:

10 calculating means for calculating a recordable time of  
11 said recording medium serving as the target; and

12 notifying means for notifying said recordable time  
13 calculated by said calculating means to said audio reproducing device,  
14 and

15 said audio reproducing device comprises:

16 selecting means for selecting a maximum number of  
17 tracks from tracks recorded on said recording medium serving as the  
18 source in accordance with priority order of tracks settled under a  
19 predetermined condition so that a total reproducing time of the selected  
20 tracks does not exceed said recordable time notified from said audio  
21 recording device; and

22 reproducing means for reproducing the tracks selected by  
23 said selection means as tracks to be recorded on said recording medium  
24 serving as the target.

1 2. An audio system as claimed in claim 1, wherein when any  
2 residual tracks which were not selected in said priority order in the  
3 previous selecting operation exists on said recording medium serving as  
4 the source, said selecting means selecting a maximum number of tracks  
5 from the residual tracks in said priority order so that a total  
6 reproducing time of the tracks thus selected does not exceed a  
7 recordable time which is newly notified from said audio recording  
8 device, and then has the selected tracks reproduced by said reproducing  
9 means.

1 3. An audio system as claimed in claim 1, wherein said  
2 predetermined condition is a condition for determining the priority  
3 order so that a track having a shorter reproducing time has a higher  
4 priority.

1 4. An audio system as claimed in claim 1, wherein said  
2 predetermined condition is a condition for determining the priority  
3 order so that a track having a longer reproducing time has a higher  
4 priority.

1 5. An audio system as claimed in claim 1, wherein said  
2 predetermined condition is a condition for determining the priority  
3 order so that a track which was more precedently recorded on said  
4 recording medium serving as the source has a higher priority.

1 6. An audio system as claimed in claim 1, wherein said audio

2 reproducing device further comprises:

3           accepting means for accepting designation of priority order of  
4 the respective tracks recorded on the recording medium serving as the  
5 source, and said priority order of the tracks settled under the  
6 predetermined condition is said priority order accepted by said  
7 accepting means.

1   7.     An audio system as claimed in claim 1, wherein said recording  
2 medium serving as the source is a CD (compact disc), and said  
3 recording medium serving as the target is an MD (mini disc).

1   8.     An audio reproducing device for reproducing tracks each serving  
2 as a unit of audio information from a recording medium serving as a  
3 source mounted therein as tracks to be recorded on a recording medium  
4 serving as a target which is mounted on an audio recording device,  
5 comprising:

6           selecting means for selecting a maximum number of  
7 tracks from the tracks recorded on the recording medium serving as the  
8 source in order of priority of tracks which is settled on the basis of a  
9 predetermined condition so that a total reproducing time of the tracks  
10 thus selected does not exceed a recordable time notified from said audio  
11 recording device; and

12           reproducing means for reproducing the tracks selected by  
13 said selecting means as tracks to be recorded on the recording medium  
14 serving as the target.

1 9. An audio recording device for recording tracks reproduced by an  
2 audio reproducing device on a recording medium serving as a target  
3 mounted therein, comprising:

4 calculating means for calculating a recordable time of said  
5 recording medium serving as the target; and

6 notifying means for notifying said recordable time calculated by  
7 said calculating means to said audio reproducing device.

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